INTERNATIONAL SEARCH REPORT

Interestional Application	No
Pt1/GP /0503	36

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A. CLASS	F16L55/34 F16L55/38			
According	to International Patent Classification (IPC) or to both national classific	cation and IPC		
	SEARCHED			
Minimum d	ocumentation searched (classification system followed by classificat $F16L$	ion symbols)		
	ation searched other than minimum documentation to the extent that			
	data base consulted during the International search (name of data batternal	ase and, where practical, so	earch terms used	
C. DOCUM	ENTS CONSIDERED TO BE RELEVANT			
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A	US 6 415 722 B1 (REIS NEY ROBINSO DOS) 9 July 2002 (2002-07-09) column 9, line 44 - column 10, li figures 1-3E			1,3-6
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χ Furti	ner documents are listed in the continuation of box C.	χ Patent family mea	mbers are listed i	n annex.
• Special ca	tegories of cited documents :			
A docume consid	ont defining the general state of the art which is not ered to be of particular relevance	"T" later document publish or priority date and no cited to understand th invention	ot in conflict with t	he application but
filing d		"X" document of particular cannot be considered	relevance; the cla	aimed invention
citation	ent referring to an oral disclosure, use, exhibition or	involve an inventive s "Y" document of particular cannot be considered document is combine	tep when the doc relevance; the cla to involve an invo d with one or mor	ument is taken alone aimed invention entive step when the e other such docu-
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Date of the	actual completion of the international search	Date of mailing of the	international sear	ch report
2!	5 February 2004	02/03/200	4	
Name and m	ialling address of the ISA European Patent Office, P.B. 5818 Patentlaan 2 NL – 2280 HV Rijswijk Tel. (+31-70) 340-2040, Tx. 31 651 epo nl, Fax: (+31-70) 340-3016	Authorized officer	Δ	

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